

# Hands-On Standards Science, Deluxe Edition

|                                     |                         | Lesson  | NSE Content Standard               | Unifying Concept   | Cross-Curricular Connection | K-1<br>Teacher's Resource | 2-3<br>Resource | 4-5<br>Books |
|-------------------------------------|-------------------------|---|------------------------------------|--------------------|-----------------------------|---------------------------|-----------------|--------------|
| <b>Observe</b>                      | Science as Inquiry      | Standard A—Ask a question about objects, organisms, and events in the environment | Form and function                  | Art, Music         | ✓                           | ✓                         | ✓               |              |
|                                     | Physical Science        | Standard B—Properties of objects and materials                                    | Form and function                  | Mathematics        | ✓                           | ✓                         | ✓               |              |
|                                     | Life Science            | Standard C—The characteristics of organisms                                       | Form and function                  | Social Studies     | ✓                           | ✓                         | ✓               |              |
|                                     | Earth and Space Science | Standard D—Properties of earth materials  | Evidence, models, and explanation  | Mathematics        | ✓                           | ✓                         | ✓               |              |
| <b>Communicate</b>                  | Science as Inquiry      | Standard A—Communicate investigations and explanations                            | Evidence, models, and explanation  | Mathematics        | ✓                           | ✓                         | ✓               |              |
|                                     | Physical Science        | Standard B—Properties of objects and materials                                    | Evidence, models, and explanation  | Reading            | ✓                           | ✓                         | ✓               |              |
|                                     | Life Science            | Standard C—The characteristics of organisms                                       | Form and function                  | Art                | ✓                           | ✓                         | ✓               |              |
|                                     | Earth and Space Science | Standard D—Properties of earth materials  | Evidence, models, and explanation  | Mathematics        | ✓                           | ✓                         | ✓               |              |
| <b>Estimate and Measure</b>         | Science as Inquiry      | Standard A—Employ simple equipment and tools to gather data and extend the senses | Constancy, change, and measurement | Social Studies     | ✓                           | ✓                         | ✓               |              |
|                                     | Physical Science        | Standard B—Properties of objects and materials                                    | Constancy, change, and measurement | Mathematics        | ✓                           | ✓                         | ✓               |              |
|                                     | Life Science            | Standard C—The characteristics of organisms                                       | Constancy, change, and measurement | Mathematics        | ✓                           | ✓                         | ✓               |              |
|                                     | Earth and Space Science | Standard D—Properties of earth materials  | Constancy, change, and measurement | Mathematics        | ✓                           | ✓                         | ✓               |              |
| <b>Classify</b>                     | Science as Inquiry      | Standard A—Ask a question about objects, organisms, and events in the environment | Systems, order, and organization   | Art, Language Arts | ✓                           | ✓                         | ✓               |              |
|                                     | Physical Science        | Standard B—Properties of objects and materials                                    | Systems, order, and organization   | Mathematics        | ✓                           | ✓                         | ✓               |              |
|                                     | Life Science            | Standard C—The characteristics of organisms                                       | Systems, order, and organization   | Reading            | ✓                           | ✓                         | ✓               |              |
|                                     | Earth and Space Science | Standard D—Properties of earth materials  | Systems, order, and organization   | Social Studies     | ✓                           | ✓                         | ✓               |              |
| <b>Make Operational Definitions</b> | Science as Inquiry      | Standard A—Ask a question about objects, organisms, and events in the environment | Evidence, models, and explanation  | Reading            | ✓                           | ✓                         | ✓               |              |
|                                     | Physical Science        | Standard B—Properties of objects and materials                                    | Evidence, models, and explanation  | Language Arts      | ✓                           | ✓                         | ✓               |              |
|                                     | Life Science            | Standard C—The characteristics of organisms                                       | Evidence, models, and explanation  | Social Studies     | ✓                           | ✓                         | ✓               |              |
|                                     | Earth and Space Science | Standard D—Properties of earth materials  | Evidence, models, and explanation  | Social Studies     | ✓                           | ✓                         | ✓               |              |

# Science Process Skill and NSES Correlation Chart

|                     |                         | Lesson | NSE Content Standard   | Unifying Concept                   | Cross-Curricular Connection | K-1<br>Teacher's Resource Books | 2-3 | 4-5 |
|---------------------|-------------------------|--------|--|------------------------------------|-----------------------------|---------------------------------|-----|-----|
| <b>Infer</b>        | Science as Inquiry      |        | Standard A—Use data to construct a reasonable explanation  | Form and function                  | Reading                     | ✓                               | ✓   | ✓   |
|                     | Physical Science        |        | Standard B—Properties of objects and materials   | Evidence, models, and explanation  | Social Studies              | ✓                               | ✓   | ✓   |
|                     | Life Science            |        | Standard C—Life cycles of organisms  | Form and function                  | Reading                     | ✓                               | ✓   | ✓   |
|                     | Earth and Space Science |        | Standard D—Properties of earth materials   | Evidence, models, and explanation  | Language Arts               | ✓                               | ✓   | ✓   |
| <b>Predict</b>      | Science as Inquiry      |        | Standard A—Use data to construct a reasonable explanation  | Evidence, models, and explanation  | Language Arts               | ✓                               | ✓   | ✓   |
|                     | Physical Science        |        | Standard B—Properties of objects and materials   | Evidence, models, and explanation  | Reading                     | ✓                               | ✓   | ✓   |
|                     | Life Science            |        | Standard C—The characteristics of organisms  | Evidence, models, and explanation  | Reading                     | ✓                               | ✓   | ✓   |
|                     | Earth and Space Science |        | Standard D—Properties of earth materials   | Evidence, models, and explanation  | Mathematics                 | ✓                               | ✓   | ✓   |
| <b>Make a Model</b> | Science as Inquiry      |        | Standard A—Employ simple equipment and tools to gather data and extend the senses                        | Evidence, models, and explanation  | Art, Reading                | ✓                               | ✓   | ✓   |
|                     | Physical Science        |        | Standard B—Properties of objects and materials   | Evidence, models, and explanation  | Art, Social Studies         | ✓                               | ✓   | ✓   |
|                     | Life Science            |        | Standard C—The characteristics of organisms  | Evidence, models, and explanation  | Art, Social Studies         | ✓                               | ✓   | ✓   |
|                     | Earth and Space Science |        | Standard D—Changes in earth and sky  | Evidence, models, and explanation  | Art, Social Studies         | ✓                               | ✓   | ✓   |
| <b>Investigate</b>  | Science as Inquiry      |        | Standard A—Plan and conduct a simple investigation<br>Standard A—Understandings about scientific inquiry | Constancy, change, and measurement | Social Studies              | ✓                               | ✓   | ✓   |
|                     | Physical Science        |        | Standard A—Plan and conduct a simple investigation<br>Standard B—Properties of objects and materials     | Constancy, change, and measurement | Reading                     | ✓                               | ✓   | ✓   |
|                     | Life Science            |        | Standard A—Plan and conduct a simple investigation<br>Standard C—The characteristics of organisms        | Evidence, models, and explanation  | Reading                     | ✓                               | ✓   | ✓   |
|                     | Earth and Space Science |        | Standard A—Plan and conduct a simple investigation<br>Standard D—Changes in earth and sky                | Evidence, models, and explanation  | Social Studies              | ✓                               | ✓   | ✓   |